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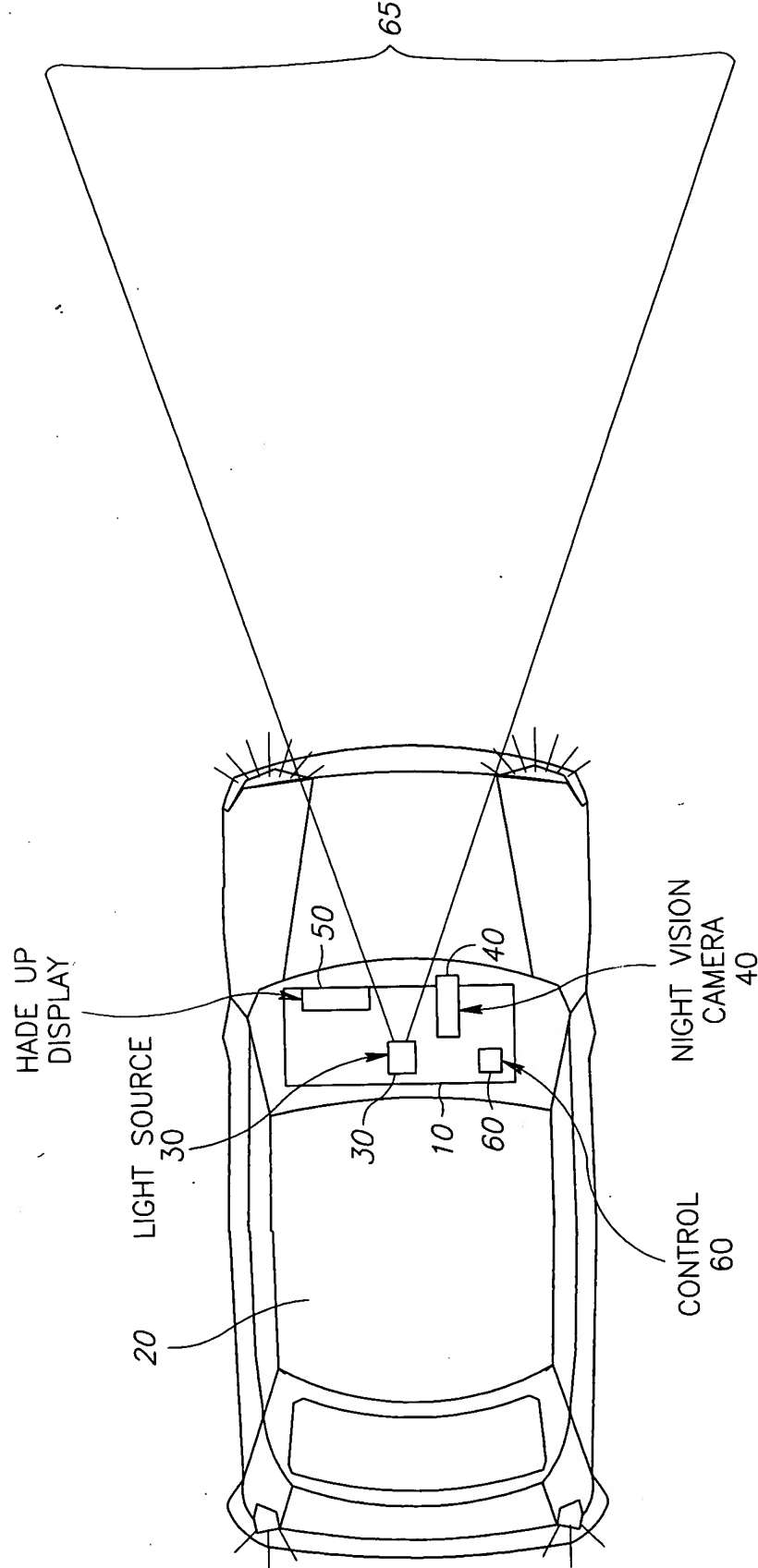


FIG.1

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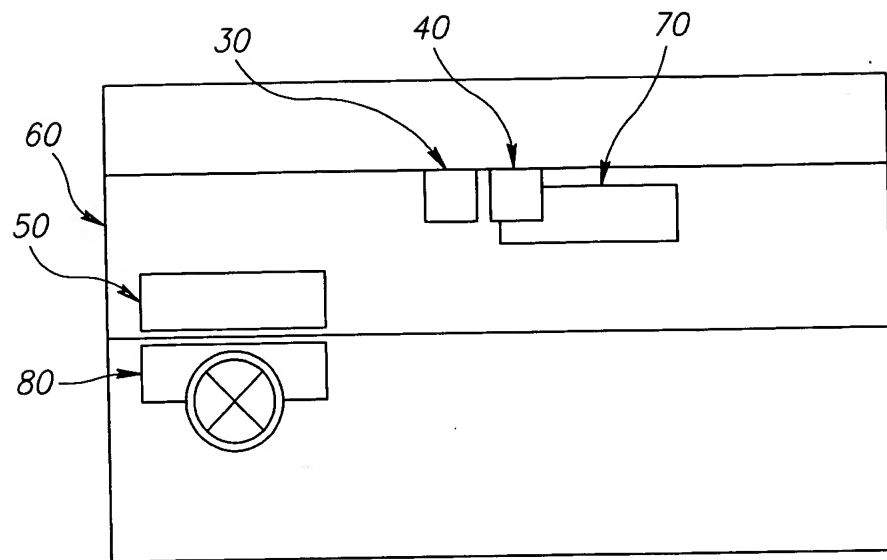


FIG. 2

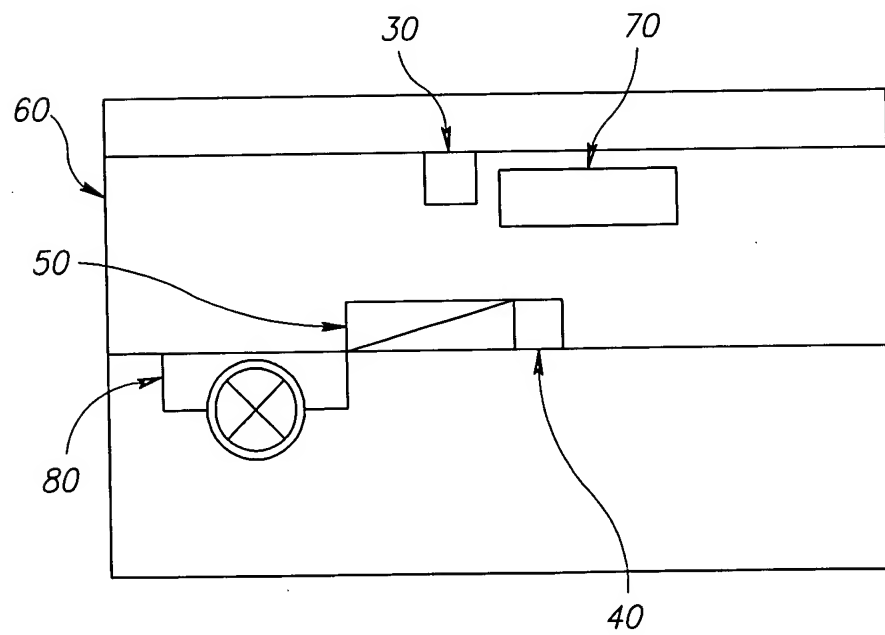


FIG. 3

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LIGHT RAYS TRAPPED INSIDE THE PLATE
BY TOTAL INTERNAL REFLECTION

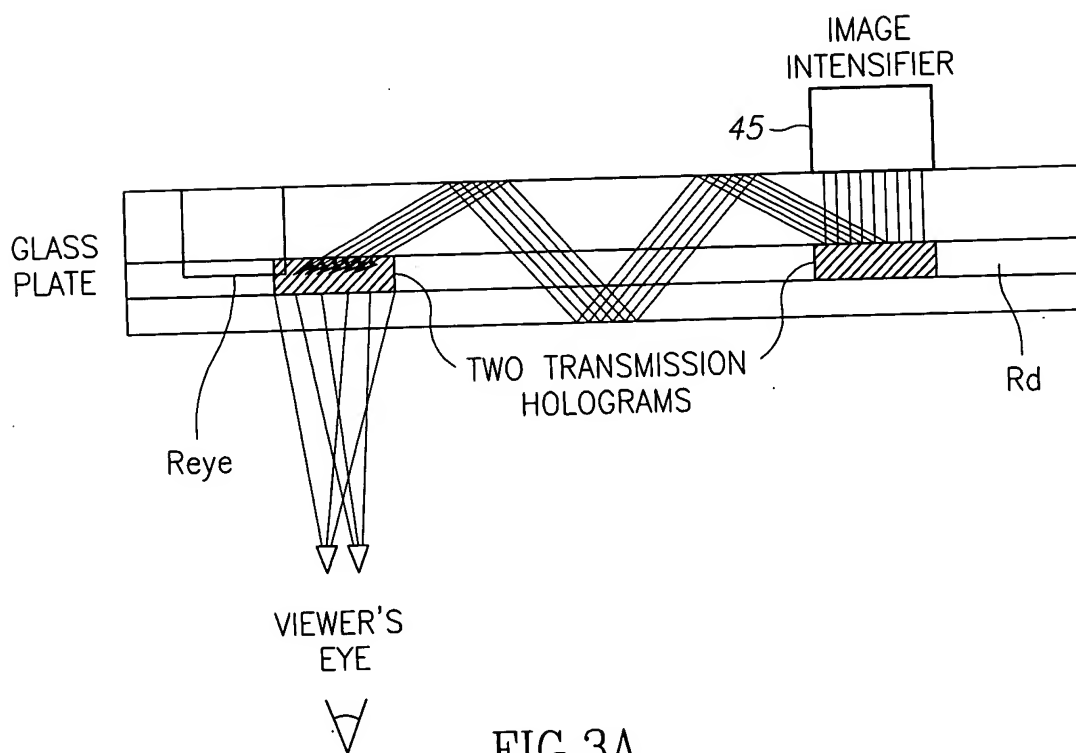


FIG.3A

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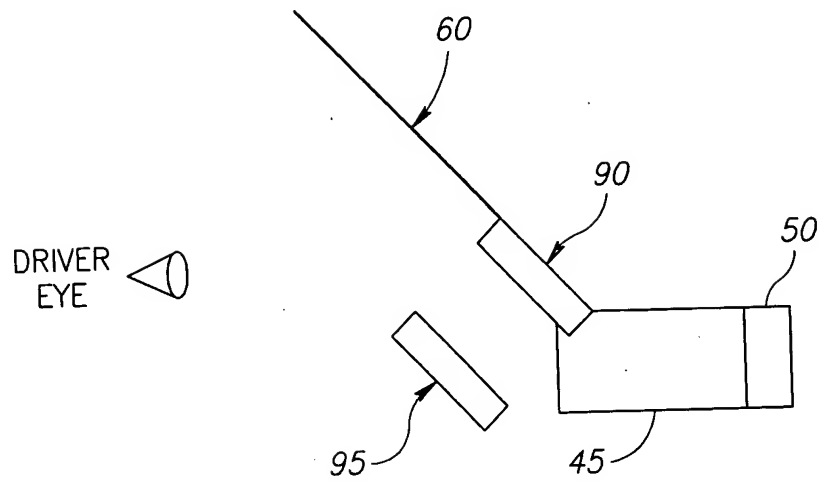


FIG. 4

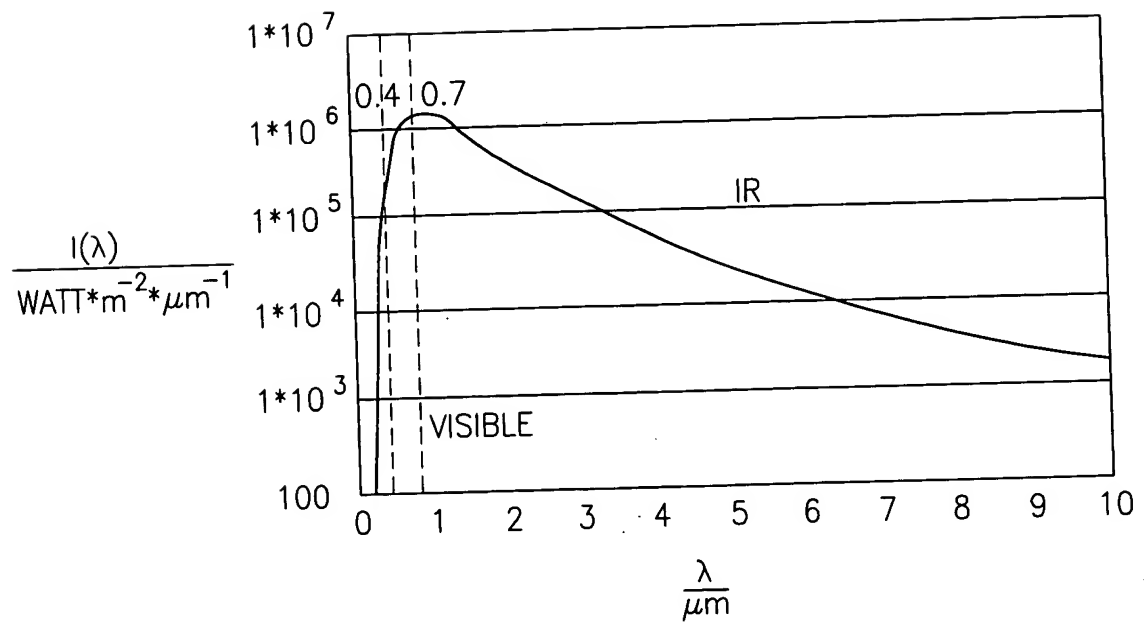


FIG. 5

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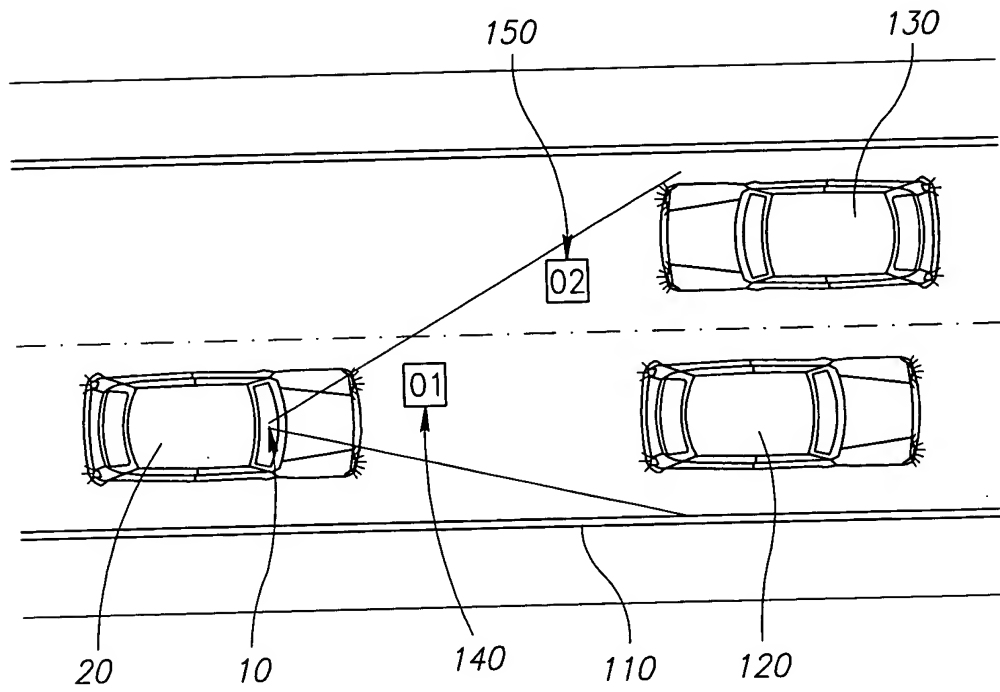


FIG. 6

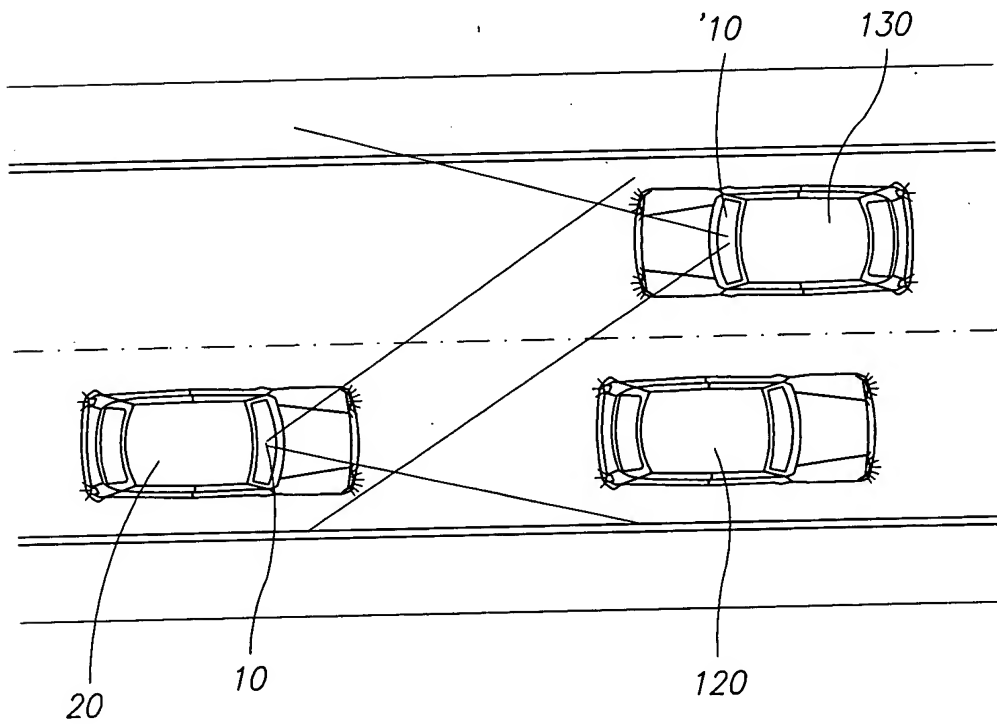


FIG. 7

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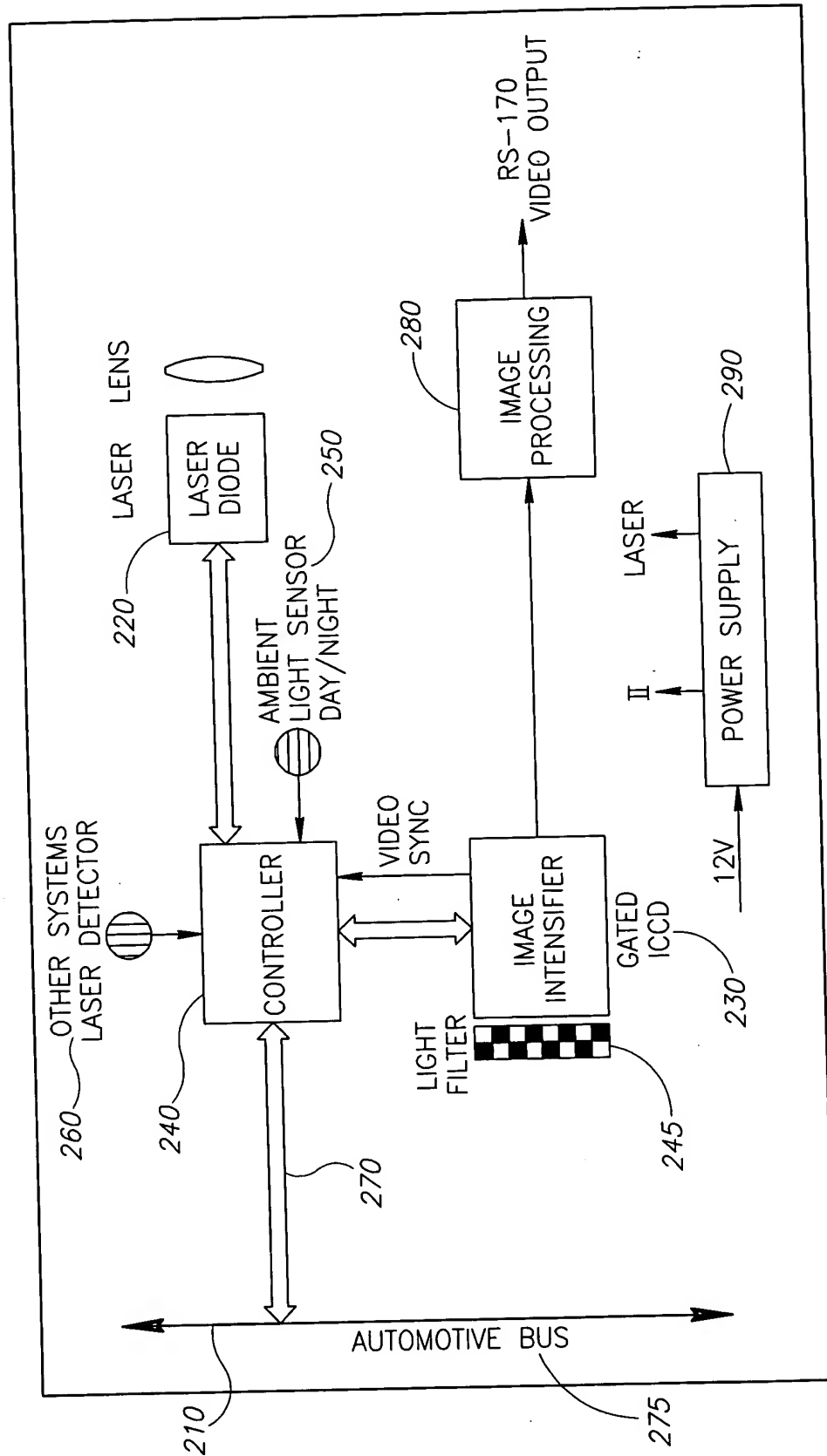


FIG. 8

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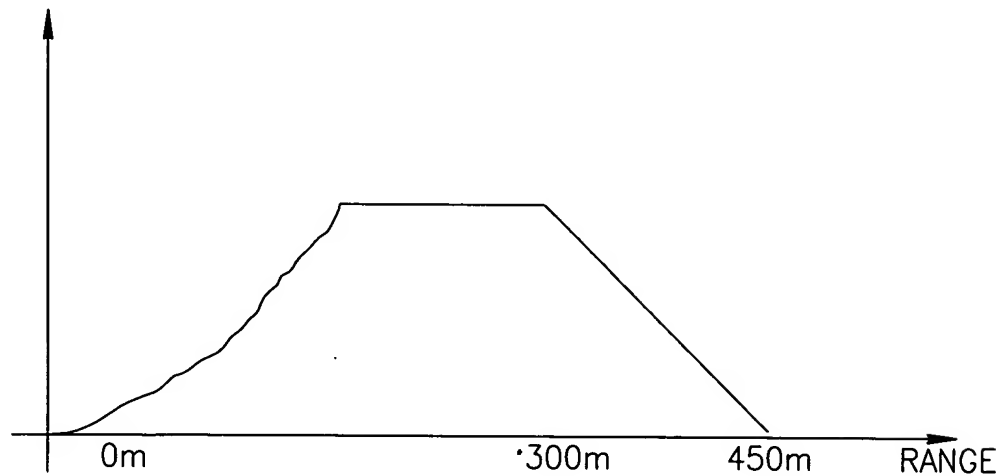
*Sensitivity to Distance*SENTIVITY\LASER TIME
PROGRAMMABLE GAIN (TPG)

FIG.9

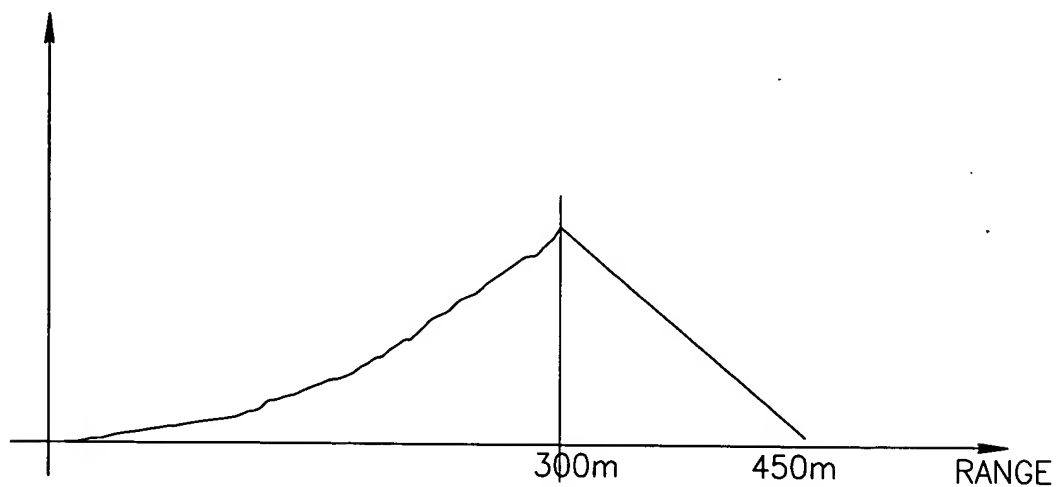
*Sensitivity to Distance*SENTIVITY\LASER TIME
PROGRAMMABLE GAIN (TPG)

FIG.10

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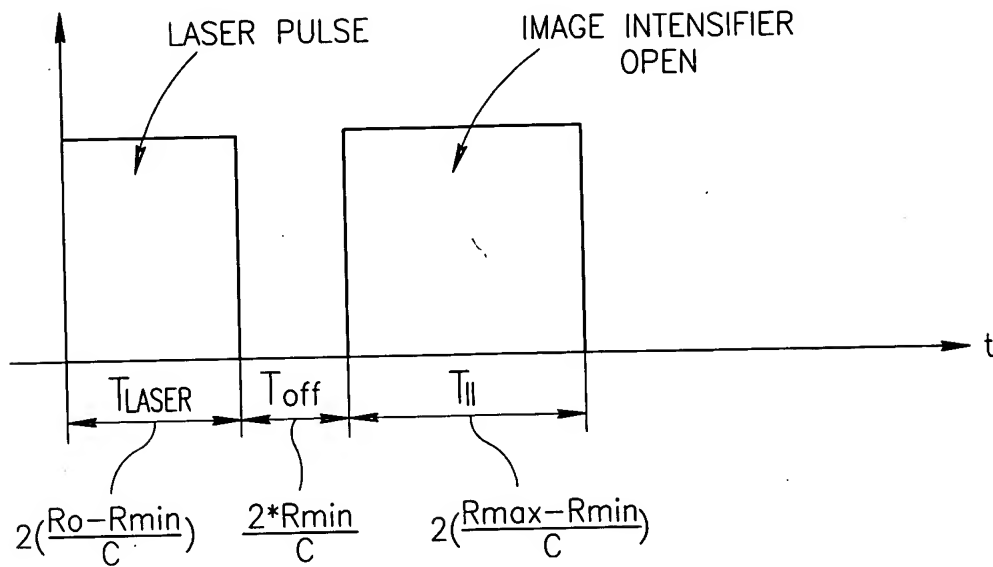
Sensitivity to Distance – Timing

FIG.11

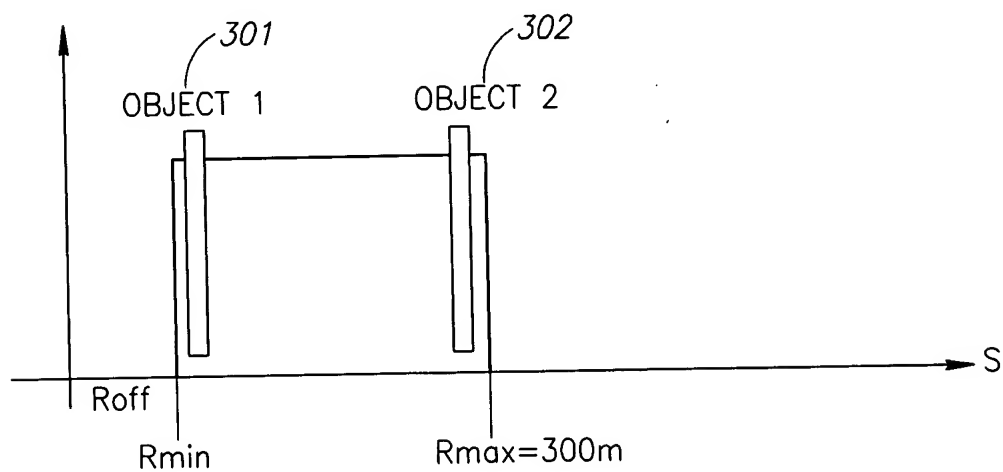
Sensitivity to Distance – Timing

FIG.12

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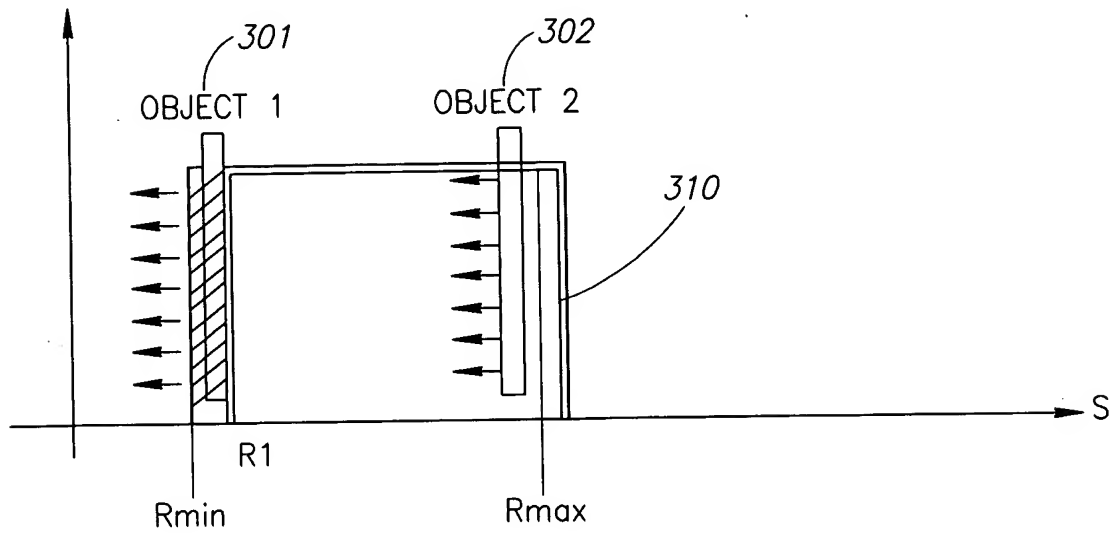
Sensitivity to Distance - Timing

FIG.13

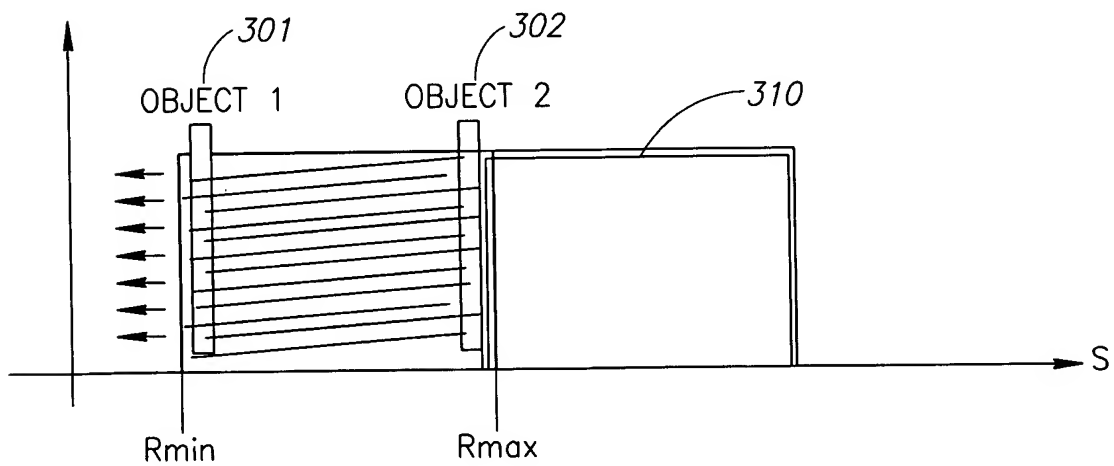
Sensitivity to Distance - Timing

FIG.14

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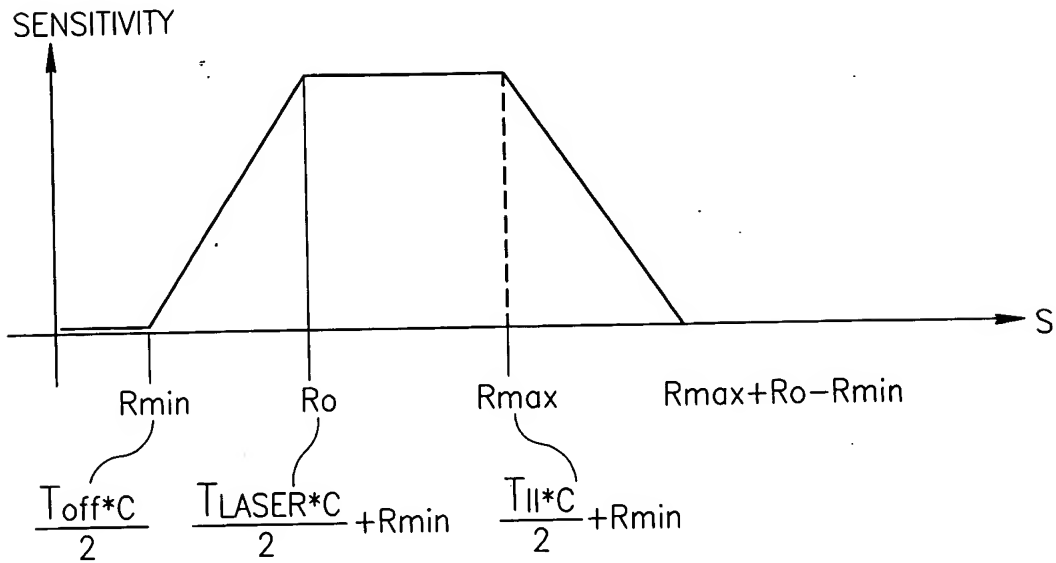
Sensitivity to Distance – Timing

FIG.15

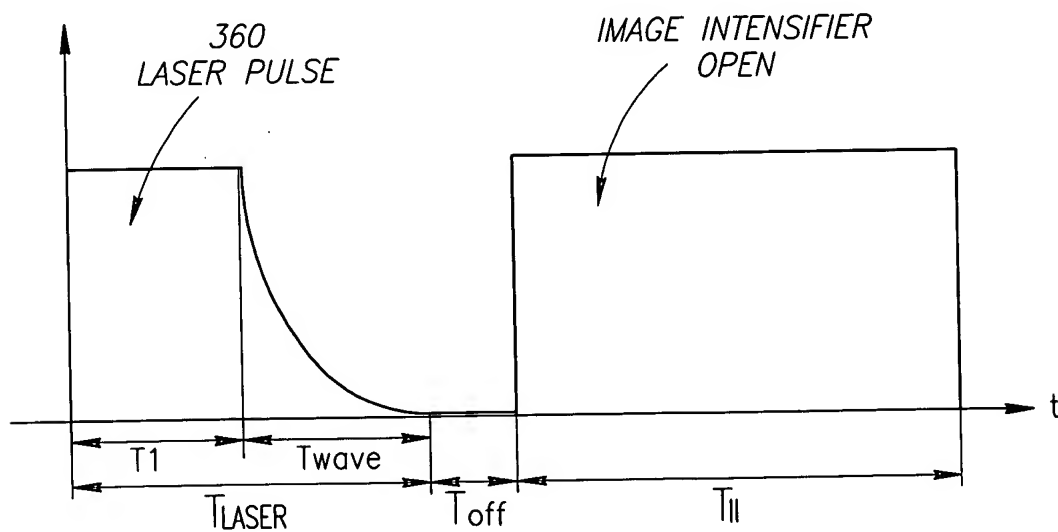
Sensitivity to Distance – Laser Shape

FIG.16

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Sensitivity to Distance – Laser Shape

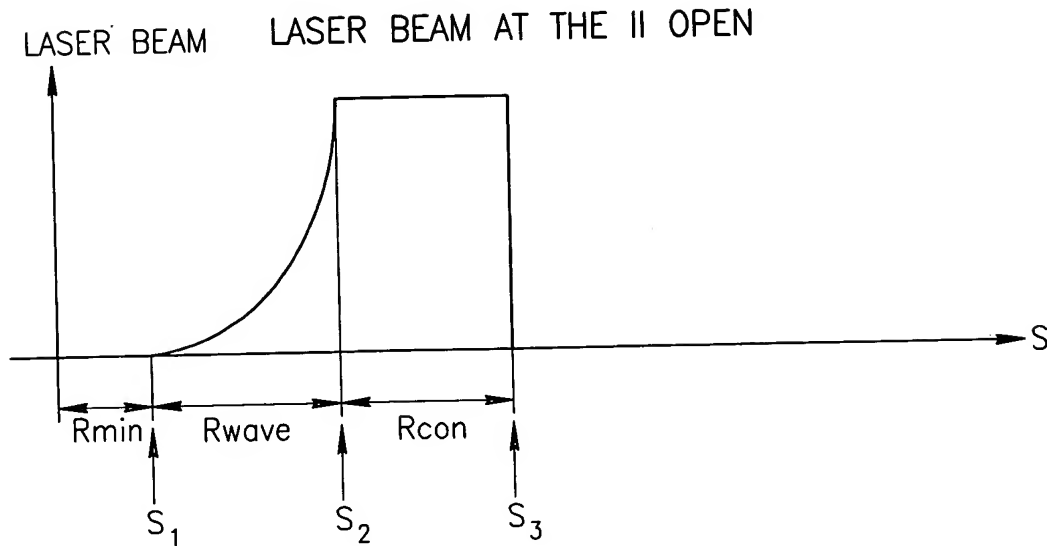


FIG.17

Sensitivity to Distance – Laser Shape

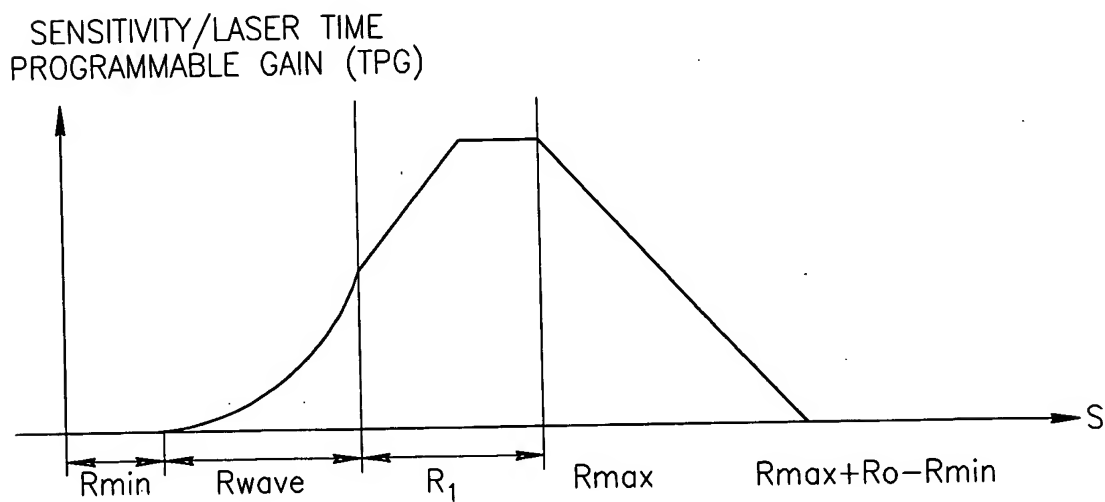


FIG.18

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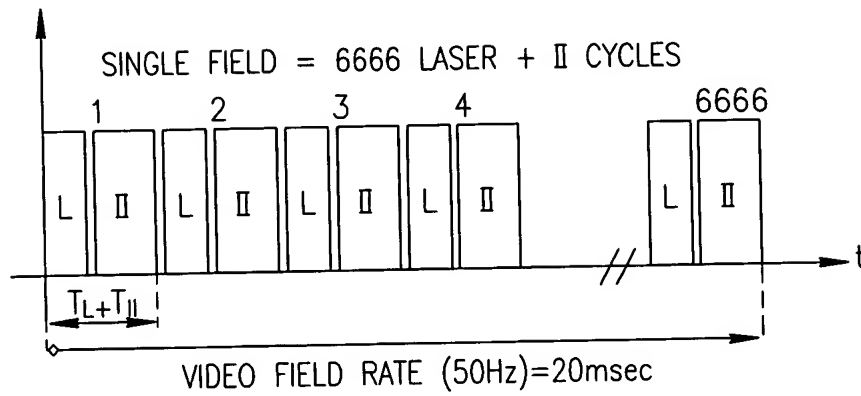
Sensitivity to Distance – Timing Control

FIG.19

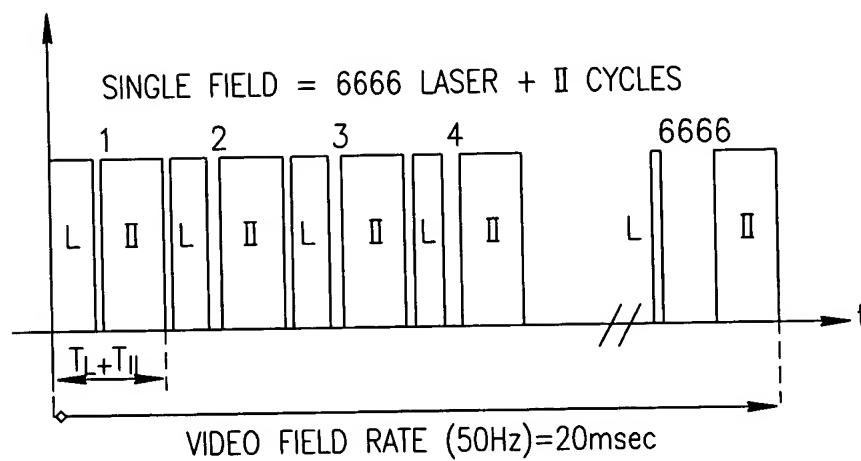
Sensitivity to Distance – Timing Control

FIG.20

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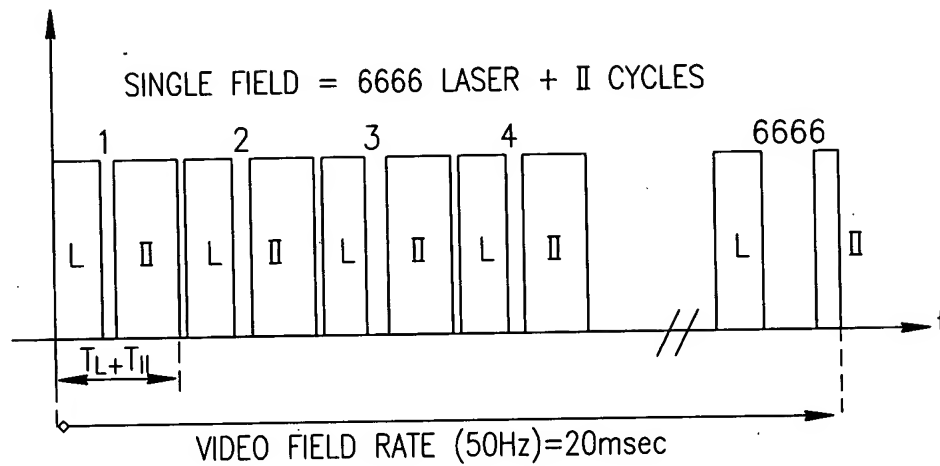
Sensitivity to Distance – Timing Control

FIG.21

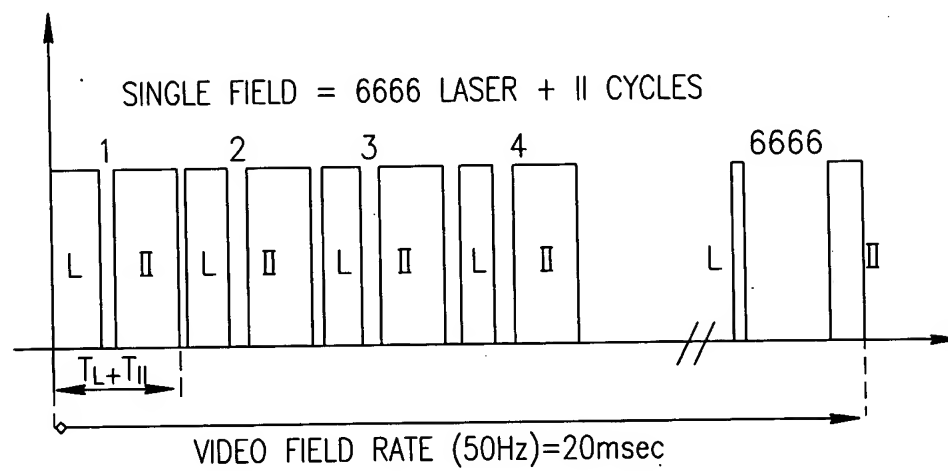
Sensitivity to Distance – Timing Control

FIG.22

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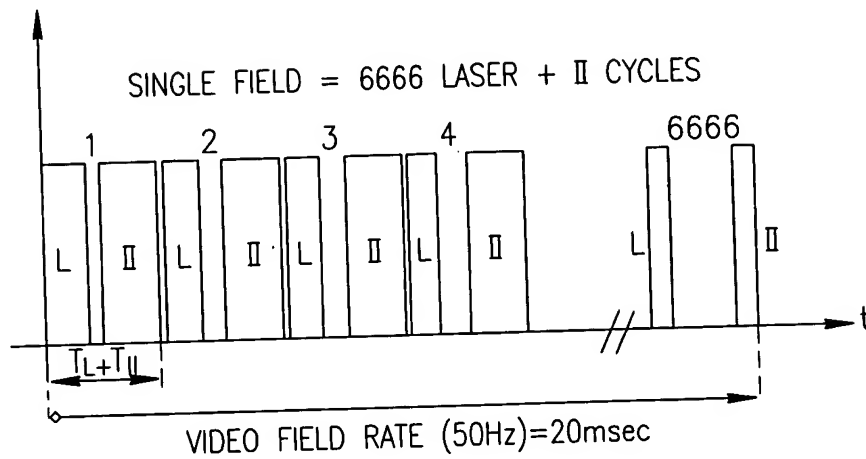
Sensitivity to Distance – Timing Control

FIG.23

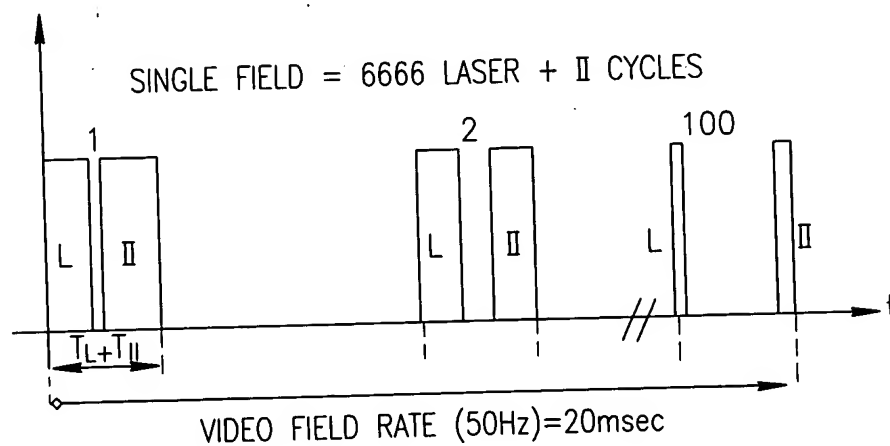
Sensitivity to Distance – Timing Control

FIG.24

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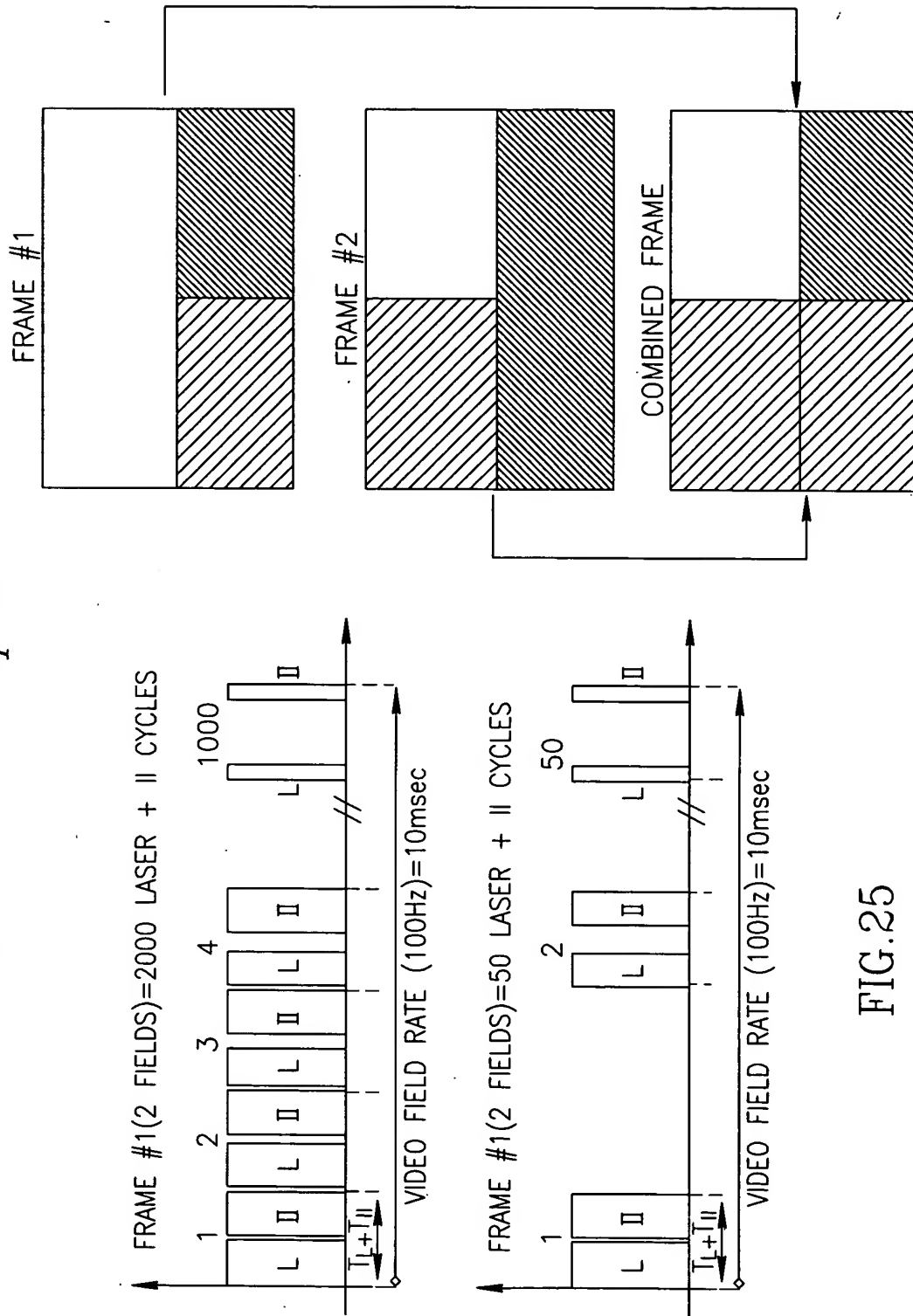
Two Frame Exposure

FIG.25

Figure 1 is a timing diagram illustrating the relationship between two systems, SYSTEM #1 and SYSTEM #2, over time T . The diagram is divided into two main sections by a vertical dashed line.

SYSTEM #1 (Left Section):

- ACTIVE:** A period at the beginning of the timeline where three pulses are shown, labeled 1, 2, and 3.
- DETECTION PERIOD:** A period following the active state, containing three groups of pulses. Each group consists of a pulse labeled 'L' followed by a pulse labeled 'II'. The groups are labeled 1, 2, and 3.

SYSTEM #2 (Right Section):

- DETECTION PERIOD:** A period following the active state, containing three groups of pulses. Each group consists of a pulse labeled 'L' followed by a pulse labeled 'II'. The groups are labeled 1, 2, and 3.
- ACTIVE:** A period at the end of the timeline where three pulses are shown, labeled 1, 2, and 3.

The diagram uses double slashes (//) to indicate breaks in the timeline between the active and detection periods for both systems.

FIG. 26

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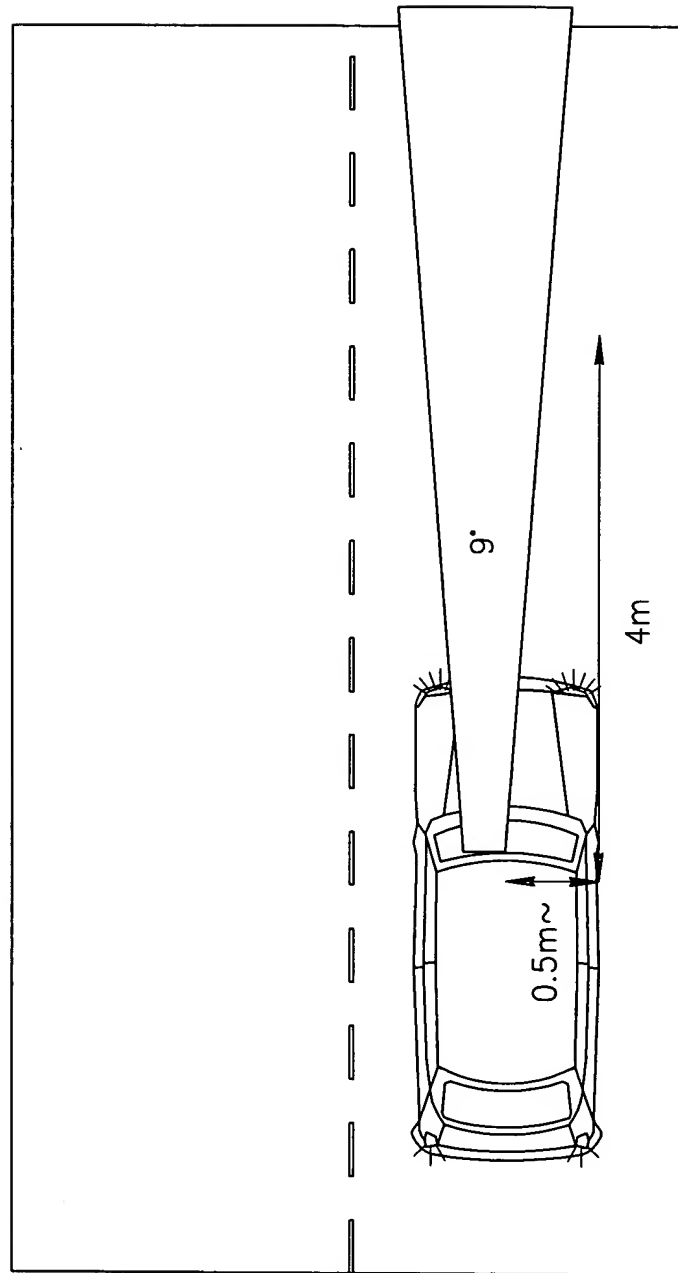
EYE - SAFTY

FIG.27

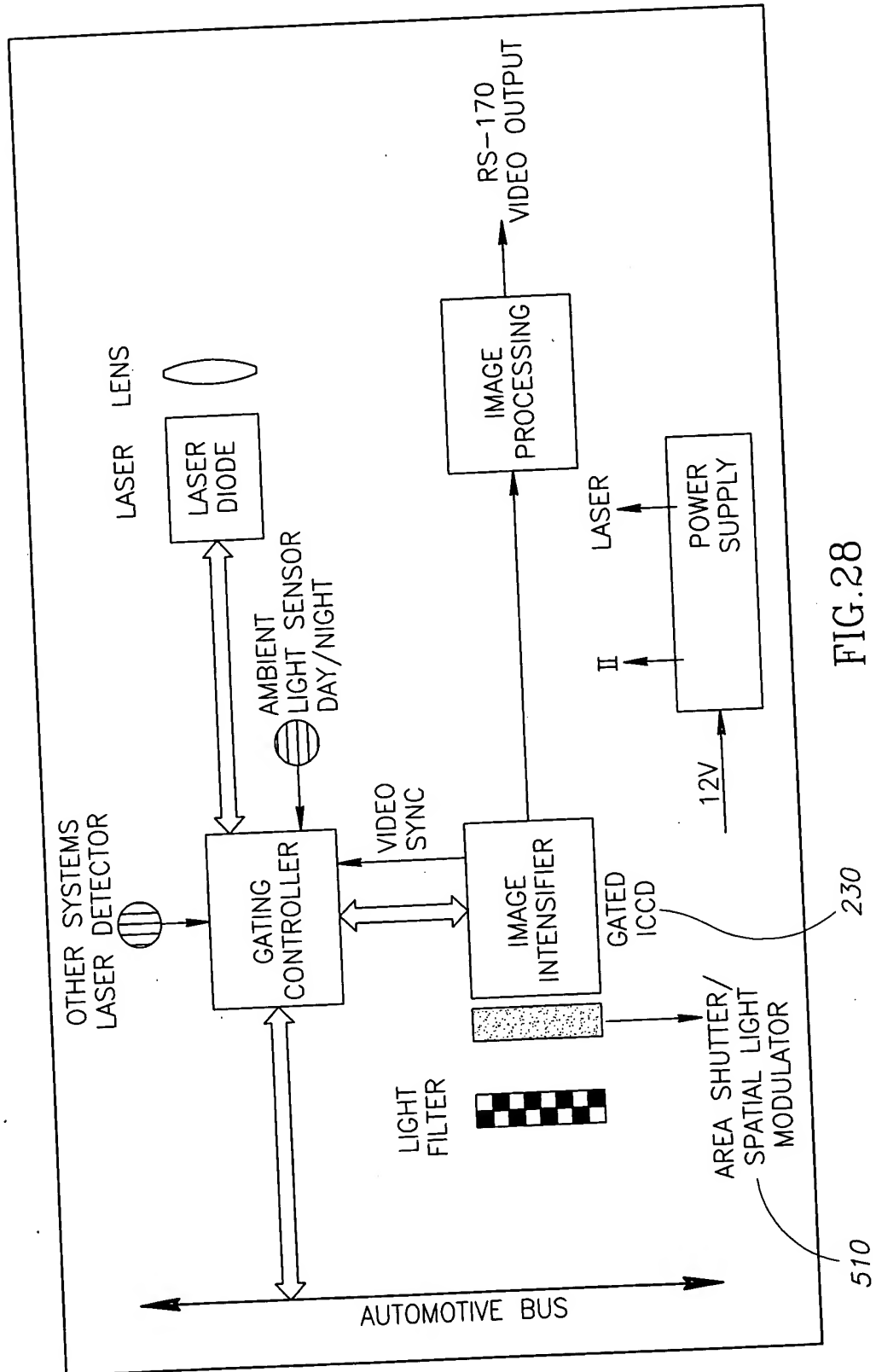


FIG.28

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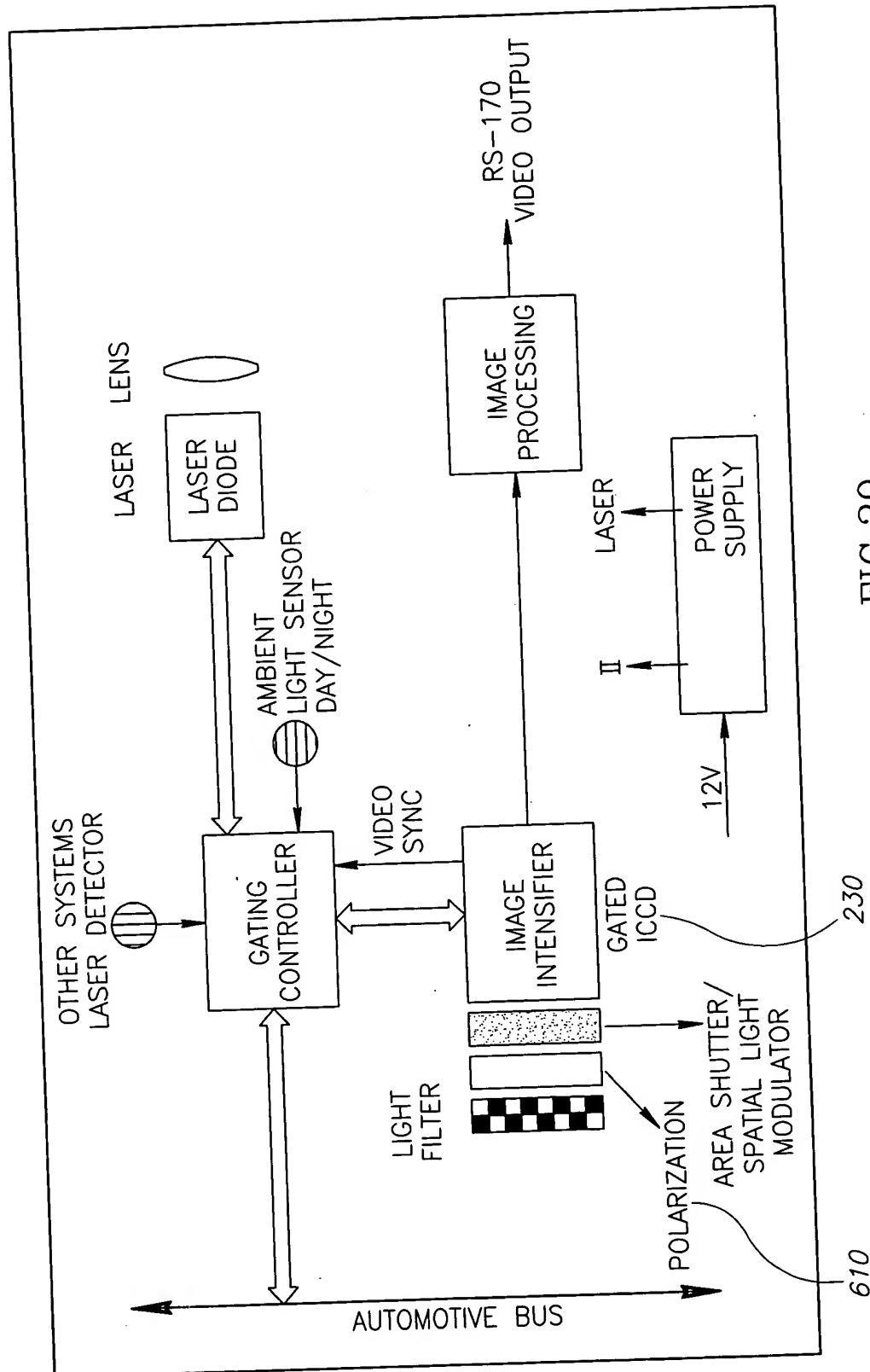


FIG. 29